SPYWOLF

Security Audit Report

Completed on

July 28, 2022

MADE IN USA 🇺🇸

OVERVIEW

This audit has been prepared for **JAILKWON** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✔ Contract's source code
- ✔ Owners' wallets
- ✔ Tokenomics
- ✔ Team transparency and goals
- ✔ Website's age, code, security and UX
- ✔ Whitepaper and roadmap
- ✔ Social media & online presence

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

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JAILKWON

PROJECT DESCRIPTION

According to their website:

JKWON was founded by a group of disgruntled LUNA investors. Almost immediately after the Luna crash, the Jailkwon project became very popular and a number of community members approached Jailkwon Token with a desire to help.

Future developments of the project:

- JKWON wallet
- JKWON swap
- NFT marketplace

Release Date: Presale starts on August, 2022

Category: Meme

CONTRACT INFO

Token Name	Symbol
JAILKWON	$JKWON

Contract Address
0x9621a74C6e6F2e0F55Ae2675ef9F12bf48a30196

Network	Language
Binance Smart Chain	Solidity

Deployment Date	Verified?
July 20, 2022	Yes

Total Supply	Status
50,000,000,000	Not launched

TAXES

Buy Tax	Sell Tax
5%	5%

*Taxes can be changed in future

Our Contract Review Process

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

CURRENT STATS

(As of July 28, 2022)

Liquidity

Not added yet

Burn

No burnt tokens

Status:

Not Launched!

MaxTxAmount

500,000,000

DEX:

PancakeSwap

LP Address(es)

Liquidity not added yet

TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	49999999999.99999 $JKWON
Median Transfer Amount	49999999999.99999 $JKWON
Average Transfer Amount	49999999999.99999 $JKWON
First transfer date	2022-07-20
Last transfer date	2022-07-20
Days token transferred	1

SMART CONTRACT STATS

Calls Count	3
External calls	3
Internal calls	2
Transactions count	3
Uniq Callers	2
Days contract called	2
Last transaction time	Jul-20-2022 03:02:04 PM +UTC
Created	Jul-20-2022 09:04:02 AM +UTC
Create TX	0x4a05b1c86550571738fc6e835d6e8065496e1d9218d52401d4ae88adf87ef056
Creator	0x7E5f30521b12CA7025E5B24dB7fA6e51BF3eE81a

FEATURED WALLETS

Owner address	0xd9b8fa41e2b7e4414631ff722ec9c7ef24251453
Reserve wallet	0xb280d1372d06d42c6d40f328e3afafabfec950e9
Reward distributor	Same as owner
LP address	**Liquidity not added yet**

TOP 3 UNLOCKED WALLETS

1

100% 0x7e5f30521b12ca7025e5b24db7fa6e51bf3ee81a

*Tokens are not distributed yet

VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

FOUND THREATS

⚠ High Risk

Owner can set buy/sell fees up to 100%.

```
function changeFeesForNormalBuy(uint8 _liquidityFeeOnBuy,
uint8 _marketingFeeOnBuy, uint8 _EtrondistributionFeeOnBuy) external onlyOwner {
    liquidityFeeOnBuy = _liquidityFeeOnBuy;
    marketingFeeOnBuy = _marketingFeeOnBuy;
    EtrondistributionFeeOnBuy = _EtrondistributionFeeOnBuy;
    emit ChangeFeesForNormalBuy(_liquidityFeeOnBuy, _marketingFeeOnBuy, _EtrondistributionFeeOnBuy);
}

function changeFeesForWhiteListedBuy(uint8 _liquidityFeeOnBuy,
    uint8 _marketingFeeOnBuy, uint8 _EtrondistributionFeeOnBuy) external onlyOwner {
    liquidityFeeOnWhiteListedBuy = _liquidityFeeOnBuy;
    marketingFeeOnBuyWhiteListed = _marketingFeeOnBuy;
    EtrondistributionFeeOnBuyWhiteListed = _EtrondistributionFeeOnBuy;
    emit ChangeFeesForWhiteListedBuy(_liquidityFeeOnBuy, _marketingFeeOnBuy, _EtrondistributionFeeOnBuy);
}

function changeFeesForNormalSell(uint8 _liquidityFeeOnSell,
    uint8 _marketingFeeOnSell, uint8 _EtrondistributionFeeOnSell) external onlyOwner {
    liquidityFeeOnSell = _liquidityFeeOnSell;
    marketingFeeOnSell = _marketingFeeOnSell;
    EtrondistributionFeeOnSell = _EtrondistributionFeeOnSell;
    emit ChangeFeesForNormalSell(_liquidityFeeOnSell, _marketingFeeOnSell, _EtrondistributionFeeOnSell);
}

function changeFeesForWhitelistedSell(uint8 _liquidityFeeOnSell,
    uint8 _marketingFeeOnSell, uint8 _EtrondistributionFeeOnSell) external onlyOwner {
    liquidityFeeOnWhiteListedSell = _liquidityFeeOnSell;
    marketingFeeOnWhiteListedSell = _marketingFeeOnSell;
    EtrondistributionFeeOnWhiteListedSell = _EtrondistributionFeeOnSell;
    emit ChangeFeesForWhitelistedSell(_liquidityFeeOnSell, _marketingFeeOnSell, _EtrondistributionFeeOnSell);
}
```

- Recommendation:
  - Considered as good tax deduction practice is buy and sell fees combined not to exceed 25%.

FOUND THREATS

⚠ High Risk

Once the amountOfTokensToAddToLiquidityThreshold is met, selling fails.

```
uint256 public amountOfTokensToAddToLiquidityThreshold = 10*10*18; //
```

Owner can change max transaction limit, making it impossible to sell if set to 0.

```
function setMaxTxPercent(uint256 maxTxPercent) external onlyOwner {
    maxTxAmount = _tTotal.mul(maxTxPercent).div(10**2);
    emit SetMaxTxPercent(maxTxPercent);
}
```

Owner can disable trade, making it impossible to sell.

```
function setSwapEnabled(bool _swapEnabled) external onlyOwner {
    require(swapEnabled != _swapEnabled, 'Value already exists!');
    swapEnabled = _swapEnabled;
    emit SetSwapEnabled(_swapEnabled);
}
```

Informational

Owner can exclude address from fees.

```
function setIsExcludedFromFee(address account, bool flag) external onlyOwner {
    _setIsExcludedFromFee(account, flag);
    emit SetIsExcludedFromFee(account, flag);
}
```

Owner can withdraw any tokens from contract.

```
function withdrawEthInWei(address payable recipient, uint256 amount) external onlyOwner {
    require(recipient != address(0), 'Invalid Recipient!');
    require(amount > 0, 'Invalid Amount!');
    recipient.transfer(amount);
}

function withdrawTokens(address token, address recipient) external onlyOwner {
require(token != address(0), 'Invalid Token!');
require(recipient != address(0), 'Invalid Recipient!');

    uint256 balance = IBEP20(token).balanceOf(address(this));
    if (balance > 0) {
        IBEP20(token).transfer(recipient, balance);
    }
}
```

Owner can change reward distributor contract.

```
function updateRewardDistributor(address _rewardDistributor) external onlyOwner {
    require(address(rewardDistributor) != _rewardDistributor, 'Reward Distributor already exists!');
    rewardDistributor = IRewardDistributor(_rewardDistributor);
    _allowances[address(this)][address(rewardDistributor)] = _MAX;
    _allowances[address(rewardDistributor)][address(pcsV2Router)] = _MAX;
    _isExcludedFromFee[address(rewardDistributor)] = true;
    _excludeFromReflection(address(rewardDistributor));
    emit UpdateRewardDistributor(_rewardDistributor);
}
```

RECOMMENDATIONS FOR

GOOD PRACTICES

1. Consider fundamental tradeoffs
2. Be attentive to blockchain properties
3. Ensure careful rollouts
4. Keep contracts simple
5. Stay up to date and track development

JAILKWON

GOOD PRACTICES FOUND

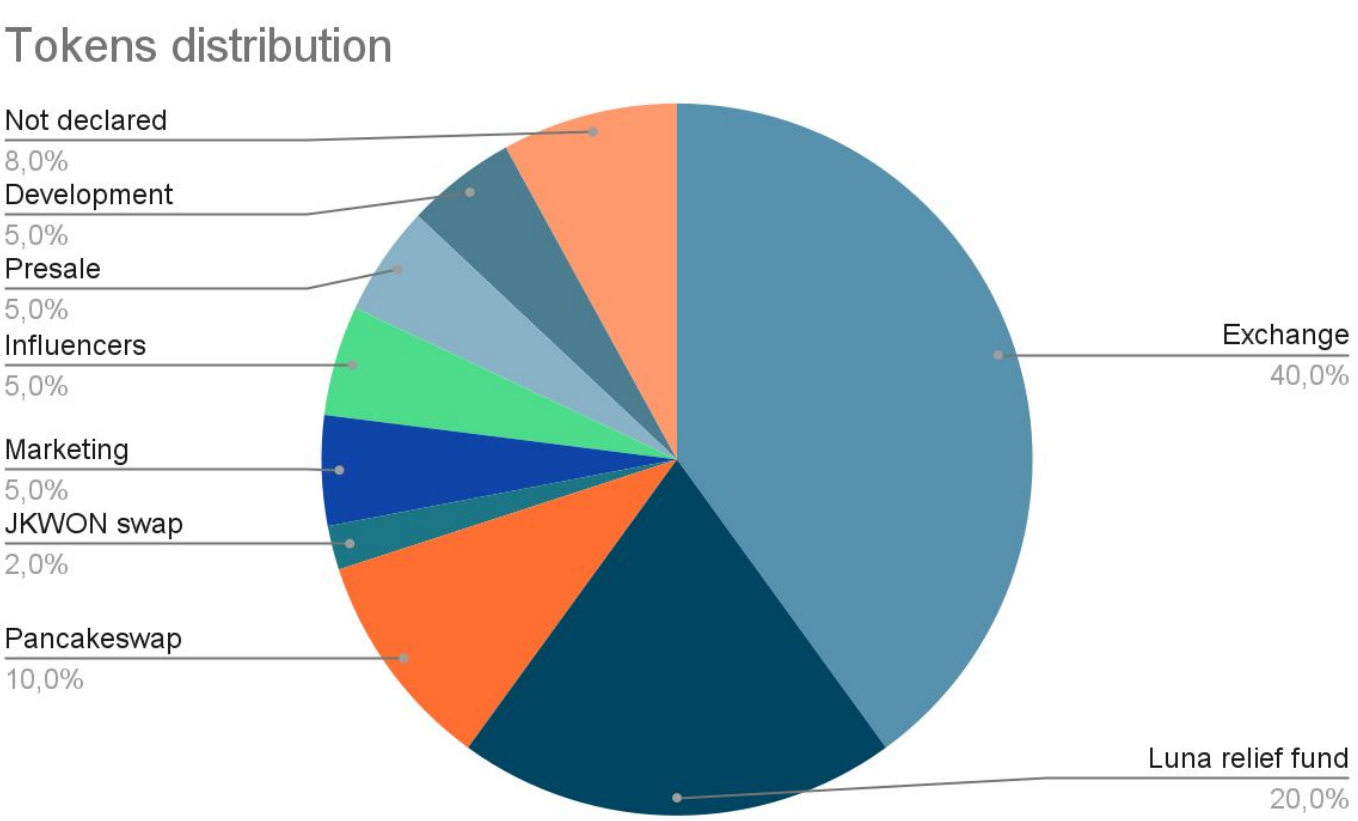
- ✔ The owner cannot mint new tokens after deployment
- ✔ The smart contract utilizes "SafeMath" to prevent overflows

TOKENOMICS

*The following tokenomics are based on the project's whitepaper and/or website:

- 5% - Presale
- 10% - Pancakeswap
- 2% - JKWON swap
- 5% - Marketing
- 40% - Exchange
- 20% - Luna relief fund
- 5% - Development
- 5% - Influencers

- **8% - Not declared**



THE TEAM

The team has privately doxxed to SPYWOLF by completing the following KYC requirements:

- ID Verification
- Video statement
- Video interview with devs
- Owner's wallet verification

KYC INFORMATION

Issuer

SPYWOLF

Members KYC'd

KYC Date

May 25, 2022

Format

NFT

Certificate Link

https://opensea.io/assets/matic/0x2953399124f0cbb46d2cbacd8a89cf0599974963/99844844277068474025626073867816441448450620712689519536016720673743692627969.png

WEBSITE

Website URL
https://jailkwon.com/

Domain Registry
http://www.namecheap.com

Domain Expiration
Expires on 2023-05-22

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

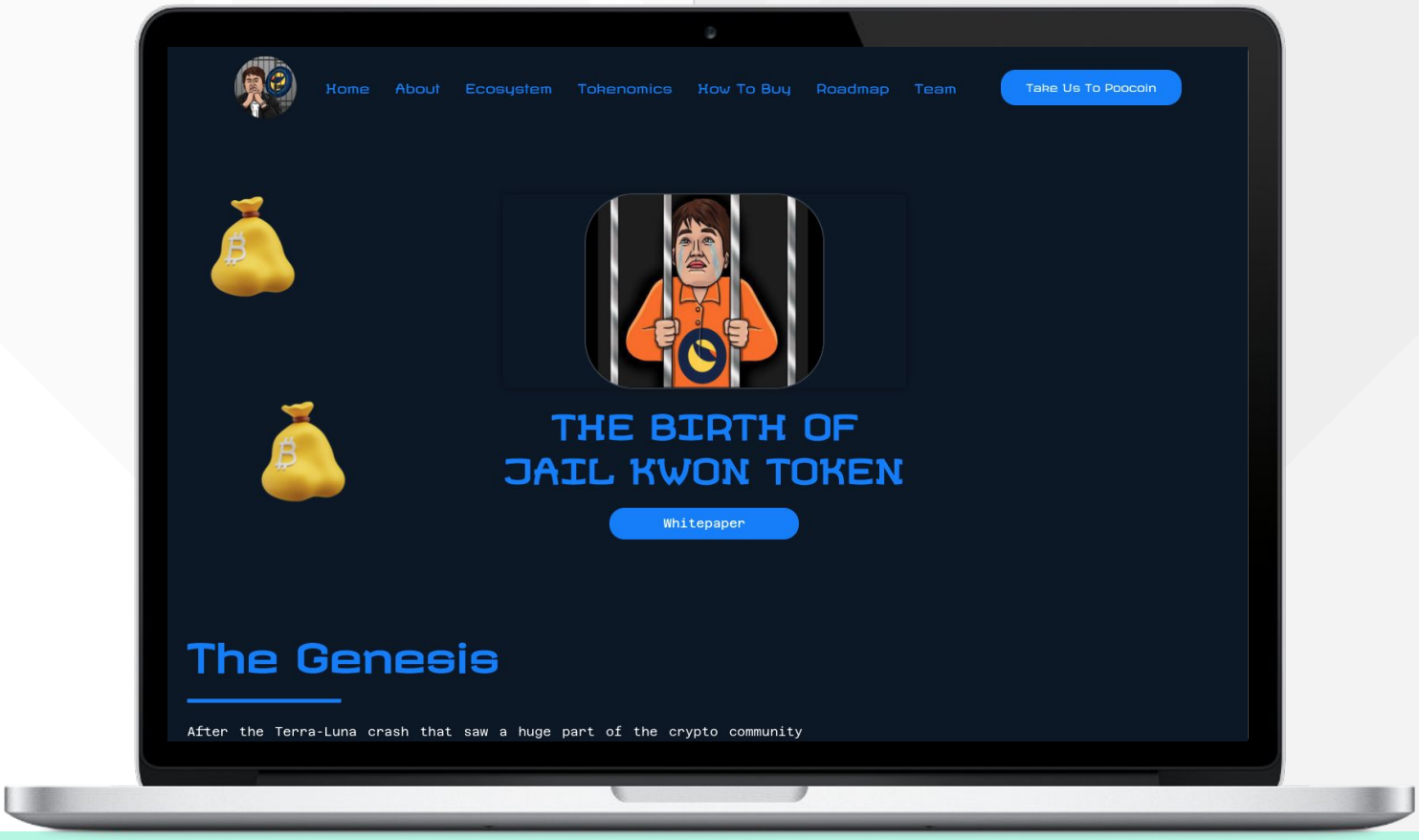
Design
Single page, appropriate color scheme.

Content
The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper
No whitepaper.

Roadmap
Yes, goals set without time frames.

Mobile-friendly?
Yes



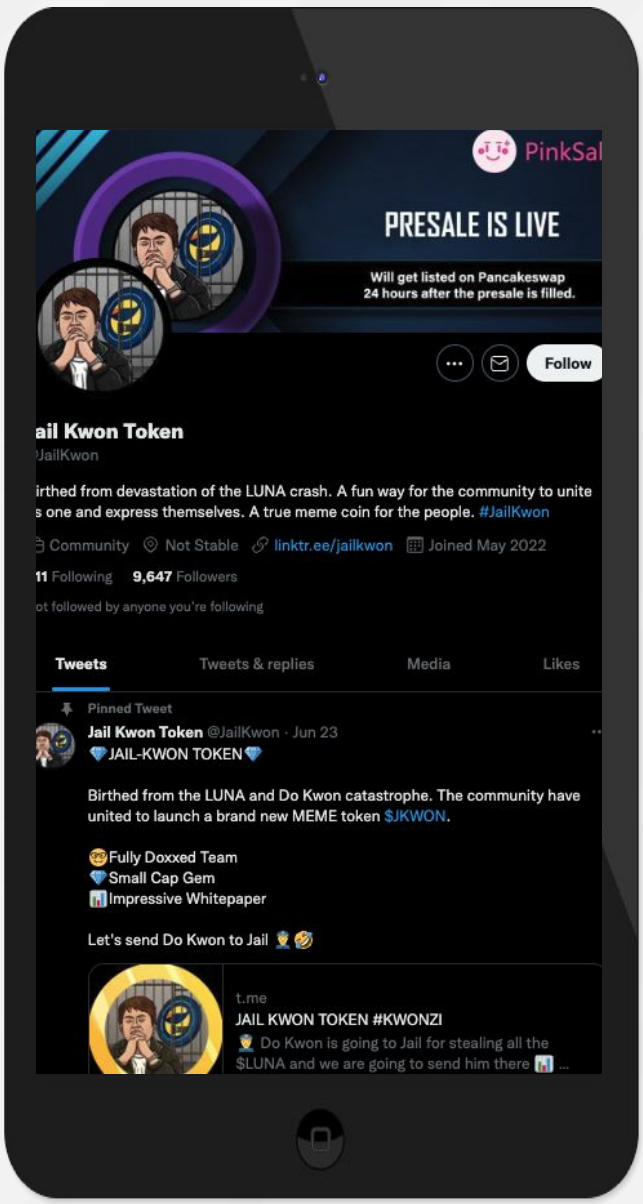
jailkwon.com

SOCIAL MEDIA

& ONLINE PRESENCE

ANALYSIS

Project's social media pages are active



Twitter

@jailkwon

- 9 638 followers
- Active
- No posts for 2 weeks

Discord

- Not available

Telegram

@jailkwon

- 6 863 members
- Active members
- Active mods

Medium

- Not available

SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.
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No applications were reviewed for security. No product code has been reviewed.